

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR2004/001441

A. CLASSIFICATION OF SUBJECT MATTER

IPC7 E02B 3/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 E02B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
KR, JP : IPC as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	D1-KR 20-0279894 A (SUNBIMAKAPERI CO.) 17 JUNE 2002 See the whole document	1
A	D2-US 6168118 A (N.V. Bekaert S.A.) 2 JANUARY 2001 See the whole document	1
A	D3-JP H9-296430 A (TOMOUTECKO CO.) 18 NOVEMBER 1997 See the whole document	1
A	D4-JP 2001-207428 A (SIROIDOMAICHI) 3 AUGUST 2001 See the whole document	1

 Further documents are listed in the continuation of Box C. See patent family annex.

- * Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed
- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search

18 SEPTEMBER 2004 (18.09.2004)

Date of mailing of the international search report

22 SEPTEMBER 2004 (22.09.2004)

Name and mailing address of the ISA/KR



Korean Intellectual Property Office
920 Dunsan-dong, Seo-gu, Daejeon 302-701,
Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

CHOI, Byoung Suk

Telephone No. 82-42-481-5797



INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.
PCT/KR2004/001441

Patent document cited in search report	Publication date	Patent family member(s)	Publication date	
D2 US6168118B1	02.01.2001	AU6619598A BE1010910A3 BR9807665A CA2277966A1 CN1110604B CZ9902749A3 EP0961857A1 HU0001079A2 JP2001510516T PL334567A1 RU2169811C2 SI9820011A SK106899A3 TR9901720T2 US6168118B1 W09835100A1 ZA9800216A		26.08.1998 02.03.1999 15.02.2000 13.08.1998 04.06.2003 15.12.1999 08.12.1999 28.08.2000 31.07.2001 13.03.2000 27.06.2001 31.10.1999 12.06.2000 21.10.1999 02.01.2001 13.08.1998 13.07.1998
D1,D3,D4		NONE		